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(K-066/65)

10 June 1965

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SAM NAVAL LAUNCH EXERCISE

USSR

1. THE RECENTLY RELEASED SOVIET FILM, ROCKETS IN DEFENSE OF PEACE, INCLUDES A SEQUENCE REVEALING THE LAUNCHING OF A GOA MISSILE FROM A PROBABLE "KASHIN" CLASS DLG.

2. THE RADAR SHOWN IS IDENTIFIED AS THE PEEL GROUP. THIS RADAR, WHICH FIRST APPEARED IN 1961 ON THE "KYNDA" CLASS DLG, IS A SURFACE-TO-AIR MISSILE CONTROL RADAR BELIEVED TO EMPLOY A TRACK-WHILE-SCAN AND MISSILE COMMAND MODE WITH A RANGE TO 25-30 NM. THE ANTENNA CONSISTS OF 2 PAIRS OF HORIZONTAL AND VERTICAL TRUNCATED PARABOLIC SOLID REFLECTORS AND A CENTRAL MESH-TYPE DISH WITH A DIAMETER OF 2 FT; THE OVERALL ANTENNA HEIGHT IS

25X1

3. THE GOA MISSILE WAS FIRST SEEN IN THE MOSCOW PARADE ON 7 NOV 64, TRANSPORTED DUALY ON A ZIL-157V TRUCK TRACTOR. THIS MISSILE IS DEPLOYED AT FIXED SITES WHICH HAVE BEEN OBSERVED SINCE 1961.

THE SA-N-1 NAVAL SAM SYSTEM WAS FIRST IDENTIFIED ON A KASHIN-CLASS DLG IN MAR 63; HOWEVER, IT WAS NOT THE MISSILE, BUT THE LAUNCHER WHICH WAS SEEN. ANALYSES OF THE LAUNCH EQUIPMENT OF THE SA-N-1 SEEN ON THE KASHIN AND OF NAVAL SAM OPERATIONS DETECTED BY

25X1

LED TO THE ESTIMATE THAT IT EMPLOYED THE SAME

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GROUP 1
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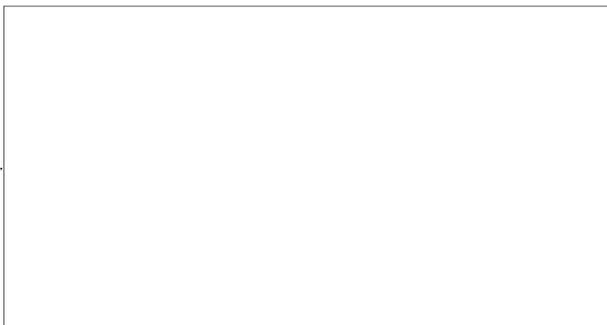
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MISSILE AS THE GROUND FORCES SA-3 LOW ALTITUDE SYSTEM. THIS
INTURN LATER PROVED TO BE THE GOA MISSILE WITH THE FOLLOWING



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PROPELLANTS SOLID (BOTH STAGES)

4. THIS FILM SEQUENCE IS THE FIRST FIRM EVIDENCE OF GOA MISSILE
EMPLOYMENT WITH THE SA-N-1 NAVAL SAM SYSTEM.

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